

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/540,612
Source: IFW0
Date Processed by STIC: 08/24/2006

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 08/24/2006

PATENT APPLICATION: US/10/540,612

TIME: 15:02:01

Input Set : A:\102769.TXT

Output Set: N:\CRF4\08242006\J540612.raw

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4 <110> APPLICANT: Karo Bio AB
6 <120> TITLE OF INVENTION: CRYSTALLINE LIVER X RECEPTOR BETA
7   PROTEIN
9 <130> FILE REFERENCE: 102769
11 <140> CURRENT APPLICATION NUMBER: 10/540,612
12 <141> CURRENT FILING DATE: 2005-06-23
14 <150> PRIOR APPLICATION NUMBER: PCT/IB2003/006412
15 <151> PRIOR FILING DATE: 2003-12-24
17 <150> PRIOR APPLICATION NUMBER: GB 0230177.8
18 <151> PRIOR FILING DATE: 2002-12-24
20 <160> NUMBER OF SEQ ID NOS: 2
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 461
26 <212> TYPE: PRT
27 <213> ORGANISM: Homo sapiens
29 <400> SEQUENCE: 1
30 Met Ser Ser Pro Thr Thr Ser Ser Leu Asp Thr Pro Leu Pro Gly Asn
31 1 5 10 15
32 Gly Pro Pro Gln Pro Gly Ala Pro Ser Ser Pro Thr Val Lys Glu
33 20 25 30
34 Glu Gly Pro Glu Pro Trp Pro Gly Gly Pro Asp Pro Asp Val Pro Gly
35 35 40 45
36 Thr Asp Glu Ala Ser Ser Ala Cys Ser Thr Asp Trp Val Ile Pro Asp
37 50 55 60
38 Pro Glu Glu Glu Pro Glu Arg Lys Arg Lys Lys Gly Pro Ala Pro Lys
39 65 70 75 80
40 Met Leu Gly His Glu Leu Cys Arg Val Cys Gly Asp Lys Ala Ser Gly
41 85 90 95
42 Phe His Tyr Asn Val Leu Ser Cys Glu Gly Cys Lys Gly Phe Phe Arg
43 100 105 110
44 Arg Ser Val Val Arg Gly Gly Ala Arg Arg Tyr Ala Cys Arg Gly Gly
45 115 120 125
46 Gly Thr Cys Gln Met Asp Ala Phe Met Arg Arg Lys Cys Gln Gln Cys
47 130 135 140
48 Arg Leu Arg Lys Cys Lys Glu Ala Gly Met Arg Glu Gln Cys Val Leu
49 145 150 155 160
50 Ser Glu Glu Gln Ile Arg Lys Lys Lys Ile Arg Lys Gln Gln Gln Gln
51 165 170 175
52 Glu Ser Gln Ser Gln Ser Gln Ser Pro Val Gly Pro Gln Gly Ser Ser
53 180 185 190
54 Ser Ser Ala Ser Gly Pro Gly Ala Ser Pro Gly Gly Ser Glu Ala Gly
55 195 200 205

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```

56 Ser Gln Gly Ser Gly Glu Gly Glu Gly Val Gln Leu Thr Ala Ala Gln
57      210                      215                      220
58 Glu Leu Met Ile Gln Gln Leu Val Ala Ala Gln Leu Gln Cys Asn Lys
59 225                      230                      235                      240
60 Arg Ser Phe Ser Asp Gln Pro Lys Val Thr Pro Trp Pro Leu Gly Ala
61                      245                      250                      255
62 Asp Pro Gln Ser Arg Asp Ala Arg Gln Gln Arg Phe Ala His Phe Thr
63                      260                      265                      270
64 Glu Leu Ala Ile Ile Ser Val Gln Glu Ile Val Asp Phe Ala Lys Gln
65      275                      280                      285
66 Val Pro Gly Phe Leu Gln Leu Gly Arg Glu Asp Gln Ile Ala Leu Leu
67      290                      295                      300
68 Lys Ala Ser Thr Ile Glu Ile Met Leu Leu Glu Thr Ala Arg Arg Tyr
69 305                      310                      315                      320
70 Asn His Glu Thr Glu Cys Ile Thr Phe Leu Lys Asp Phe Thr Tyr Ser
71                      325                      330                      335
72 Lys Asp Asp Phe His Arg Ala Gly Leu Gln Val Glu Phe Ile Asn Pro
73                      340                      345                      350
74 Ile Phe Glu Phe Ser Arg Ala Met Arg Arg Leu Gly Leu Asp Asp Ala
75      355                      360                      365
76 Glu Tyr Ala Leu Leu Ile Ala Ile Asn Ile Phe Ser Ala Asp Arg Pro
77      370                      375                      380
78 Asn Val Gln Glu Pro Gly Arg Val Glu Ala Leu Gln Gln Pro Tyr Val
79 385                      390                      395                      400
80 Glu Ala Leu Leu Ser Tyr Thr Arg Ile Lys Arg Pro Gln Asp Gln Leu
81                      405                      410                      415
82 Arg Phe Pro Arg Met Leu Met Lys Leu Val Ser Leu Arg Thr Leu Ser
83                      420                      425                      430
84 Ser Val His Ser Glu Gln Val Phe Ala Leu Arg Leu Gln Asp Lys Lys
85      435                      440                      445
86 Leu Pro Pro Leu Leu Ser Glu Ile Trp Asp Val His Glu
87      450                      455                      460

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90 <210> SEQ ID NO: 2

91 <211> LENGTH: 208

92 <212> TYPE: PRT

93 <213> ORGANISM: Artificial Sequence

95 <220> FEATURE:

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96 <223> OTHER INFORMATION: The crytallised protein sequence with the first
97     four non-LXR Beta amino acid residues (GSHM) fused
98     to the N-terminal end of residues 213-416
99     originating from human LXR Beta

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101 <400> SEQUENCE: 2

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102 Gly Ser His Met Gly Glu Gly Glu Gly Val Gln Leu Thr Ala Ala Gln
103 1      5      10      15
104 Glu Leu Met Ile Gln Gln Leu Val Ala Ala Gln Leu Gln Cys Asn Lys
105      20      25      30
106 Arg Ser Phe Ser Asp Gln Pro Lys Val Thr Pro Trp Pro Leu Gly Ala
107      35      40      45
108 Asp Pro Gln Ser Arg Asp Ala Arg Gln Gln Arg Phe Ala His Phe Thr

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109	50		55		60												
110	Glu	Leu	Ala	Ile	Ile	Ser	Val	Gln	Glu	Ile	Val	Asp	Phe	Ala	Lys	Gln	
111	65					70					75					80	
112	Val	Pro	Gly	Phe	Leu	Gln	Leu	Gly	Arg	Glu	Asp	Gln	Ile	Ala	Leu	Leu	
113					85					90					95		
114	Lys	Ala	Ser	Thr	Ile	Glu	Ile	Met	Leu	Leu	Glu	Thr	Ala	Arg	Arg	Tyr	
115				100					105					110			
116	Asn	His	Glu	Thr	Glu	Cys	Ile	Thr	Phe	Leu	Lys	Asp	Phe	Thr	Tyr	Ser	
117			115					120					125				
118	Lys	Asp	Asp	Phe	His	Arg	Ala	Gly	Leu	Gln	Val	Glu	Phe	Ile	Asn	Pro	
119		130					135					140					
120	Ile	Phe	Glu	Phe	Ser	Arg	Ala	Met	Arg	Arg	Leu	Gly	Leu	Asp	Asp	Ala	
121	145					150					155					160	
122	Glu	Tyr	Ala	Leu	Leu	Ile	Ala	Ile	Asn	Ile	Phe	Ser	Ala	Asp	Arg	Pro	
123					165				170					175			
124	Asn	Val	Gln	Glu	Pro	Gly	Arg	Val	Glu	Ala	Leu	Gln	Gln	Pro	Tyr	Val	
125				180					185					190			
126	Glu	Ala	Leu	Leu	Ser	Tyr	Thr	Arg	Ile	Lys	Arg	Pro	Gln	Asp	Gln	Leu	
127			195					200					205				

VERIFICATION SUMMARY

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